

WHAT IS CLAIMED IS:

1. An electrical part comprising:  
a housing to be placed on a circuit board during  
5 mounting;  
a slider and a conductive pattern disposed inside the  
housing, the slider sliding on the conductive pattern;  
a plurality of terminals protruding outward from the  
housing to extend through terminal-insertion holes provided  
10 in the circuit board;  
an operating member supported by the housing so as to  
rotate together with the slider or the conductive pattern;  
and  
a bottom plate member disposed on a bottom portion of  
15 the housing, and having at least one positioning protrusion  
protruding corresponding to a positioning hole of the circuit  
board,  
wherein the electrical part is mounted by fitting the  
positioning protrusion in the positioning hole so that the  
20 bottom plate member opposes the circuit board.

2. An electrical part according to claim 1, wherein a  
bottom face of the housing has an aperture through which the  
slider is exposed, and the bottom plate member closes the  
25 aperture.

3. An electrical part according to claim 1, wherein  
said at least one positioning protrusion comprises a

plurality of positioning protrusions protruding from the bottom plate member, and a positioning protrusion provided at the center of the bottom plate member is fitted in a corresponding positioning hole provided in the circuit board.

5

4. An electrical-part mounting structure for mounting electrical parts of different types on a circuit board, wherein each of the electrical parts includes a slider, a conductive pattern on which the slider slides, and an  
10 operating member rotatable together with the slider or the conductive pattern, wherein terminals of the electrical parts have similar arrangements and extend through terminal-insertion holes provided in the circuit board, wherein at least one positioning protrusion is provided on a bottom face  
15 of each of the electrical parts so that the position of the positioning protrusion differs according to the type of the electrical part, and wherein a positioning hole in which the positioning protrusion is fitted is provided in a mounting region for the electrical part on the circuit board  
20 corresponding to the positioning protrusion.

5. An electrical-part mounting structure according to claim 4, wherein each of the electrical parts comprises:

a housing having the slider and the conductive pattern  
25 therein, and having the terminals protruding outward therefrom; and

a bottom plate member attached to a bottom portion of the housing and having the positioning protrusion provided

corresponding to the positioning hole of the circuit board.

6. An electrical-part mounting structure according to claim 5, said at least one positioning protrusion comprises a  
5 plurality of positioning protrusions protruding from the bottom plate member, and a positioning protrusion provided at the center of the bottom plate member is fitted in a corresponding positioning hole provided in the circuit board.

10 7. An electrical-part mounting structure according to claim 5, wherein the electrical parts are different in color of the bottom plate member.